



TABLE 5
2017 Hurricane Harvey Deployment
Rapid Needs Assessment Chemical Detections
09/08/2017 9:39:47 AM



Date	Flight #	Primary Mission	Compound	Limit of Detection (ppm)	Detections Above AMCV*
9/7	20	Valero Site	No Detections		No Detections
9/7	21	Zone 8 RNA	1-butene	12	No Detections
9/8	22	Beaumont Special			No Detections
9/8	23	State Special			No Detections

* The TCEQ

The table below lists the chemical compounds that are included in the TCEQ short-term AMCV spreadsheet and in the ASPECT automated detection library. The ASPECT automated processing chemical detection algorithms look for every compound listed in the table but only report detections above the TCEQ short-term AMCVs.

Chemical Compounds	Short-term AMCV (ppm)	ASPECT Detection Limit (ppm)*
1,1-dichloroethane	1.0	0.8
1-butene	27	12
acetone	11	5.6
dichlorodifluoromethane	10	0.7
ethyl acetate	4	0.8
ethylene	500	5
isobutane	33	15
methyl ethyl ketone	20	7.5
methylene chloride	3.4	1.1
n-butyl acetate	7.4	3.8
n-propyl acetate	2	0.7
propylene	Simple Asphyxiant	3.7
vinyl chloride	27	0.6

* The concentration limits are derived using a 10 meter plume path length.